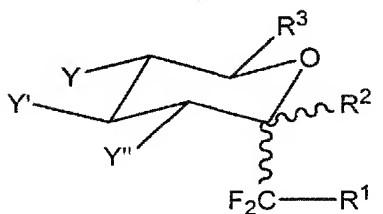


Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A gem-difluorinated compound of formula:



wherein

$R^1$  is a group comprising a functionalized carbon chain bearing at least a function selected from the group consisting of an alkyl chain substituted with at least one amine, amide, or acid function,

$R^2$  is a hydrogen atom H or a free or protected alcohol function OGP wherein GP is a protective group selected from the group consisting of an alkyl, benzyl (Bn), trimethylsilyl (TMS), tert-butyl-dimethylsilyl (TBDMS), tert-butyldiphenylsilyl (TBDPS), acetate (Ac),

$R^3$  is notably an  $H$ ,  $CH_3$ ,  $CH_2OH$ ,  $CH_2-OGP$  group wherein GP is a protective group selected from the group consisting of such as an alkyl, benzyl (Bn), trimethylsilyl (TMS), tert-

butyl-dimethylsilyl (TBDMS), tert-butyldiphenylsilyl (TBDPS), acetate (Ac) [...],

Y, Y', Y" are independent groups

wherein Y, Y', Y" = H, OR, N<sub>3</sub>, NR'R", SR' " [...] ]

with R = H, Bn, Ac, TMS, TBDMS, TBDPS, [..., ]]

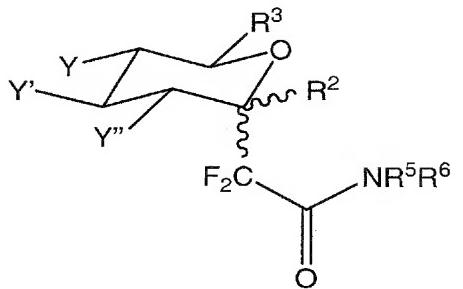
R', R" = H, alkyl, allyl, Bn, tosylate (Ts),

C(=O)-alkyl, C(=O)-Bn, [..., ]]

R' " = H, alkyl, Ac.

2. (Currently Amended) The compound according to claim 1,

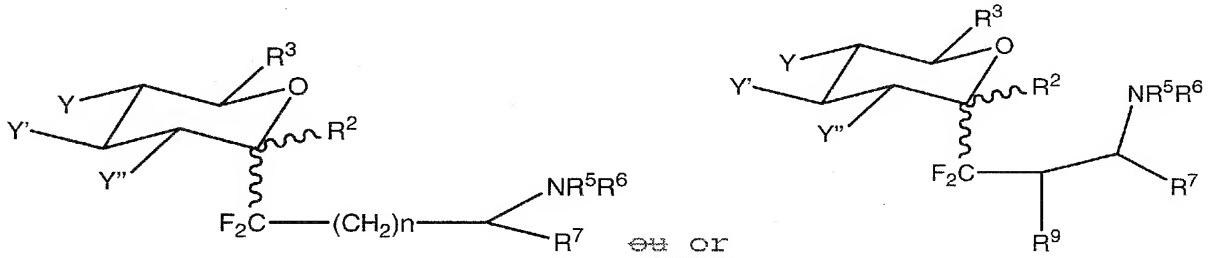
comprising a C-glycoside of general formula as claimed in claim 1 of the formula:



wherein R<sup>5</sup> and R<sup>6</sup> = H or a group either functionalized or not such as including a functionalized carbon chain bearing ~~i.a.~~ an amine, amino acid, aminoester function, a peptide chain or a protein, a carbohydrate, a steroid, or a triterpene, an alkaloid, a lignane, or compounds of pharmacological interest.

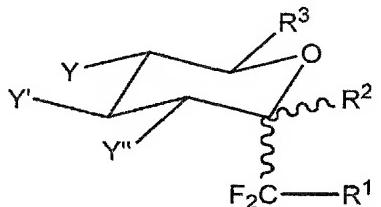
3. (Currently Amended) The compound according to claim 1,

comprising a glycoconjugated compound of general formula as claimed in claim 1 of the formula:



wherein  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^9$  = H or a group either functionalized or not, such as including a functionalized carbon chain bearing i.a. an amine, amino acid, aminoester function, a peptide chain or a protein, n being a number of units  $(CH_2)$ —a carbohydrate, a steroid, or a triterpene, an alkaloid, a lignane, or compounds of pharmacological interest.

4. (Currently Amended) Amended) A method for preparing a gem-difluorinated compound of formula:



wherein

$R^1$  is a group comprising a functionalized carbon chain bearing at least a function selected from the group consisting of an alkyl chain substituted with at least one amine, or amide function,

R<sup>2</sup> is a hydrogen atom H or a free or protected alcohol function OGP wherein GP is a protective group selected from the group consisting of an alkyl, benzyl (Bn), trimethylsilyl (TMS), tert-butyl-dimethylsilyl (TBDMS), tert-butyldiphenylsilyl (TBDPS), acetate (Ac),

R<sup>3</sup> is notably an H, CH<sub>3</sub>, CH<sub>2</sub>OH, CH<sub>2</sub>-OGP group wherein GP is a protective group selected from the group consisting of such as an alkyl, benzyl (Bn), trimethylsilyl (TMS), tert-butyl-dimethylsilyl (TBDMS), tert-butyldiphenylsilyl (TBDPS), acetate (Ac) [...] ,

Y, Y', Y" are independent groups

wherein Y, Y', Y" = H, OR, N<sub>3</sub>, NR'R", SR" [...] ]

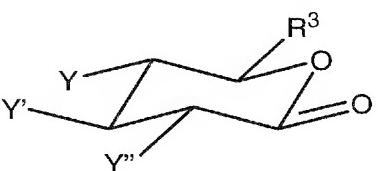
with R = H, Bn, Ac, TMS, TBDMS, TBDPS, [...] ]

R', R" = H, alkyl, allyl, Bn, tosylate (Ts),

C(=O)-alkyl, C(=O)-Bn, [...] ]

R'" = H, alkyl, Ac,

said method comprising a reaction in the presence of zinc at reflux of THF acting as solvent or in the presence of a lanthanide derivative, between a lactone of formula



and a halogenated derivative of general formula  $XCF_2CO_2R^8$ , wherein X is a halogen, ~~in the presence of zinc, or of a lanthanide derivative and  $R^8$  [=] is an alkyl, aryl...~~ so as to obtain an ester function which can be either reduced to alcohol then oxidized into an aldehyde or hemi-acetal or directly reduced into aldehyde.

5. (Previously Presented) The method according to claim 4, wherein said lanthanide derivative is samarium diiodide.

6. (Previously Presented) The method according to claim 4, wherein said sugar derivative is obtained in one or more steps from a corresponding commercially available sugar.

Claims 7-19 (Cancelled).